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In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Previously Presented) A method for inducing an antigen specific immune response comprising:

administering to a subject an antigen and a Th2-immunostimulatory nucleic acid, at least six nucleotides in length and having a phosphorothioate backbone linkage, in an amount effective to produce an antigen specific immune response when the Th2-immunostimulatory nucleic acid is administered mucosally or dermally.

- 2. (Original) The method of claim 1, wherein the subject is administered the antigen after the Th2-immunostimulatory nucleic acid.
- 3. (Original) The method of claim 1, wherein the subject is administered the antigen before the Th2-immunostimulatory nucleic acid.
- 4. (Original) The method of claim 1, wherein the subject is administered the antigen and the Th2-immunostimulatory nucleic acid simultaneously.
- 5. (Original) The method of claim 1, wherein the Th2-immunostimulatory nucleic acid is delivered to the mouth, skin or eye.
- 6. (Original) The method of claim 1, further comprising administering a therapeutic agent to the subject.
- 7. (Original) The method of claim 6, wherein the therapeutic agent is a Th1 adjuvant.
- 8. (Original) The method of claim 7, wherein the Th1 adjuvant is selected from the group consisting of CpG nucleic acids, MF59, SAF, MPL, and QS21.
- 9. (Original) The method of claim 7, wherein the Th1 adjuvant is administered following the administration of the Th2-immunostimulatory nucleic acid.

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10. (Original) The method of claim 6, wherein the therapeutic agent is a Th2 adjuvant.

- 11. (Original) The method of claim 10, wherein the Th2 adjuvant is selected from the group consisting of adjuvants that create a depot effect, adjuvants that stimulate the immune system, and adjuvants that create a depot effect and stimulate the immune system and mucosal adjuvants.
- 12. (Original) The method of claim 11, wherein the adjuvant that creates a depot effect is selected from the group consisting of alum; emulsion-based formulations including mineral oil, non-mineral oil, water-in-oil or oil-in-water-in oil emulsion, oil-in-water emulsions such as Seppic ISA series of Montanide adjuvants; and PROVAX.
- 13. (Original) The method of claim 11, wherein the adjuvant that stimulates the immune system is selected from the group consisting of saponins purified from the bark of the *Q. saponaria* tree; poly[di(carboxylatophenoxy)phosphazene; derivatives of lipopolysaccharides, muramyl dipeptide and threonyl-muramyl dipeptide; OM-174; and Leishmania elongation factor.
- 14. (Original) The method of claim 11, wherein the adjuvant that creates a depot effect and stimulates the immune system is selected from the group consisting of ISCOMs; SB-AS2; SB-AS4; non-ionic block copolymers that form micelles such as CRL 1005; and Syntex Adjuvant Formulation.
- 15. (Original) The method of claim 11, wherein the mucosal adjuvant is selected from the group consisting of CpG nucleic acids, Bacterial toxins, Cholera toxin, CT derivatives, CT B subunit; CTD53; CTK97; CTK104; CTD53/K63; CTH54; CTN107; CTE114; CTE112K; CTS61F; CTS106; and CTK63, Zonula occludens toxin, zot, Escherichia coli heat-labile enterotoxin, Labile Toxin, LT derivatives, LT B subunit; LT7K; LT61F; LT112K; LT118E; LT146E; LT192G; LTK63; and LTR72, Pertussis toxin, PT-9K/129G; Toxin derivatives; Lipid A derivatives, MDP derivatives; Bacterial outer membrane proteins, outer surface protein A (OspA) lipoprotein of *Borrelia burgdorferi*, *outer membrane protein of Neisseria meningitidis*; Oil-in-water emulsions, Aluminum salts; and Saponins, ISCOMs, the Seppic 872722.1

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ISA series of Montanide adjuvants, Montanide ISA 720; PROVAX; Syntext Adjuvant Formulation; poly[di(carboxylatophenoxy) phosphazene and Leishmania elongation factor.

16. (Original) The method of claim 6, wherein the therapeutic agent is a cytokine.

17. (Original) The method of claim 1, wherein the Th2-immunostimulatory nucleic acid is formulated in a form selected from the group consisting of a liquid solution, a powder, a microparticle, and a bioadhesive polymer.

18. (Original) The method of claim 1, wherein the Th2-immunostimulatory nucleic acid is administered by a route selected from the group consisting of oral, intranasal, vaginal, rectal, intra-ocular, and by inhalation.

- 19. (Original) The method of claim 1, wherein the Th2-immunostimulatory nucleic acid is administered by a route selected from the group consisting of intradermal, intraepidermal and transdermal.
- 20. (Original) The method of claim 1, wherein the antigen specific immune response is a systemic immune response.
- 21. (Original) The method of claim 1, wherein the antigen specific immune response is a mucosal immune response.
- 22. (Original) The method of claim 1, wherein the Th2-immunostimulatory nucleic acid is administered using a delivery system selected from the group consisting of a needleless delivery system, a scarification delivery system, and a tyne delivery system.
- 23. (Original) The method of claim 1, wherein the antigen is administered using a delivery system selected from the group consisting of a needleless delivery system, a scarification delivery system, and a tyne delivery system.

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24. (Original) The method of claim 6, wherein the therapeutic agent is selected from the group consisting of an anti-viral agent, an anti-bacterial agent, an anti-parasitic agent, an anti-fungal agent, and cancer medicament.

- 25. (Original) The method of claim 1, wherein the antigen is selected from the group of antigens consisting of viral antigens, fungal antigens, bacterial antigens, parasitic antigens, and cancer antigens.
- 26. (Original) The method of claim 1, wherein the subject has not been exposed to an Th1 immunostimulatory nucleic acid prior to administration of the Th2 immunostimulatory nucleic acid.
- 27. (Original) The method of claim 1, wherein the subject is not experiencing a Th1 mediated disorder at the time of administration.
- 28. (Original) The method of claim 1, wherein the antigen is not conjugated to the Th2 immunostimulatory nucleic acid.
- 29. (Original) The method of claim 1, wherein the antigen is not a self antigen.
- 30. (Original) The method of claim 1, wherein the antigen is not an extracellular antigen.
- 31. (Previously Presented) A method for inducing an antigen specific immune response comprising:

administering to a subject an antigen and a Th2-immunostimulatory nucleic acid, at least six nucleotides in length and having a phosphorothioate backbone linkage, in an amount effective to produce an antigen specific immune response when the Th2-immunostimulatory nucleic acid is administered parenterally.

32.-51. (Cancelled)

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52. (Original) The method of claim 31, wherein the subject has not been exposed to an Th1 immunostimulatory nucleic acid prior to administration of the Th2 immunostimulatory nucleic acid.

53.-99. (Cancelled)

- 100. (Previously Presented) A pharmaceutical composition, comprising: an effective amount of a Th2 immunostimulatory nucleic acid, at least six nucleotides in length and having a phosphorothicate backbone linkage, for stimulating a Th2 immune response when administered mucosally or dermally, an antigen, and a pharmaceutically acceptable carrier.
- 101. (New) The method of claim 1, wherein the nucleic acid is an oligonucleotide 6-100 nucleotides in length.
- 102. (New) The method of claim 101, wherein the oligonucleotide is associated with a cationic lipid or a sterol.
- 103. (New) The method of claim 102, wherein the antigen specific immune response comprises induction of an IgA response.